

For Research Use Only

TRIM32 Polyclonal antibody

Catalog Number: 10326-1-AP

Featured Product

15 Publications



Basic Information

Catalog Number:

10326-1-AP

Concentration:

350 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0401

GenBank Accession Number:

BC003154

GeneID (NCBI):

22954

UNIPROT ID:

Q13049

Full Name:

tripartite motif-containing 32

Calculated MW:

72 kDa

Observed MW:

70-72 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:500-1:2000

IHC: 1:50-1:500

IF-P: 1:50-1:500

IF/ICC: 1:100-1:400

FC (Intra): 0.40 ug per 10⁶ cells in a 100 µl suspension

Applications

Tested Applications:

WB, IHC, IF/ICC, IF-P, FC (Intra), ELISA

Cited Applications:

WB, IHC, IF, IP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: HEK-293 cells, mouse colon tissue, NIH/3T3 cells

IHC: human colon tissue,

IF-P: mouse embryo tissue,

IF/ICC: hTERT-RPE1 cells,

FC (Intra): A431 cells,

Background Information

TRIM32 (Tripartite motif-containing protein 32) is a widely expressed ubiquitin ligase that is localized to the Z-line in skeletal muscle (PMID:19349376). It promotes PIAS4 ubiquitination and degradation, and by controlling PIAS4 stability, regulates UVB-induced keratinocyte apoptosis through induction of NFκB (PMID: 16816390). Western blot analysis detected TRIM32 at an apparent molecular mass of 70-72 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Molly M Wilson	34705506	Sci Adv	WB
Sheng Li	34755101	iScience	WB
Lei Liu	34888944	FASEB J	WB, IP, IF

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

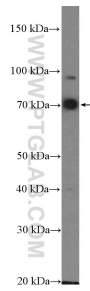
T: 4006900926

E: Proteintech-CN@ptglab.com

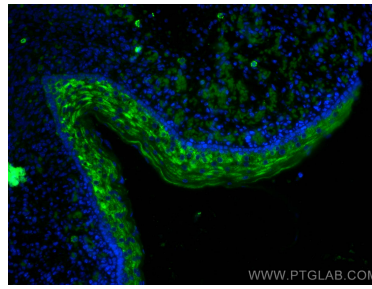
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

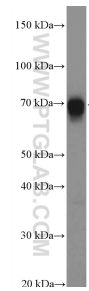
Selected Validation Data



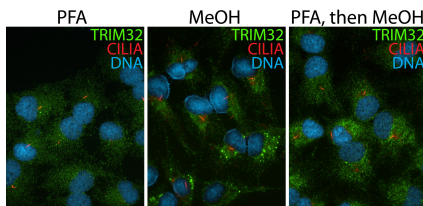
HEK-293 cells were subjected to SDS PAGE followed by western blot with 10326-1-AP (TRIM32 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



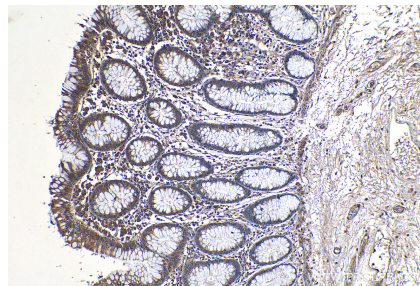
Immunofluorescent analysis of (4% PFA) fixed mouse embryo tissue using TRIM32 antibody (10326-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



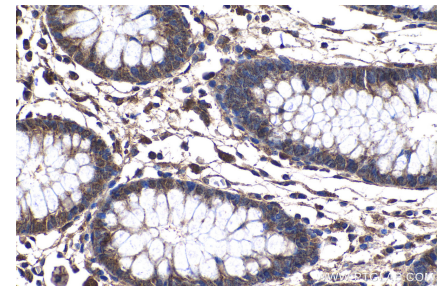
mouse colon tissue were subjected to SDS PAGE followed by western blot with 10326-1-AP (TRIM32 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



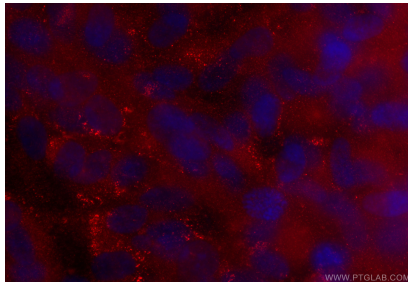
IF result (cytoplasm stain) of anti-BBS11 (10326-1-AP; 1:50) with hTERT-RPE1 cell by Dr. Moshe Kim.



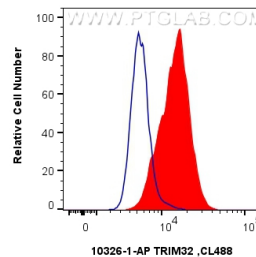
Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 10326-1-AP (TRIM32 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 10326-1-AP (TRIM32 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed hTERT-RPE1 cells using TRIM32 antibody (10326-1-AP) at dilution of 1:400 and CoraLite®594-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-4).



1X10⁶ A431 cells were intracellularly stained with 0.4 ug Anti-Human TRIM32 (10326-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Rabbit IgG control Rabbit PolyAb (30000-O-AP, Clone:) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).